

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

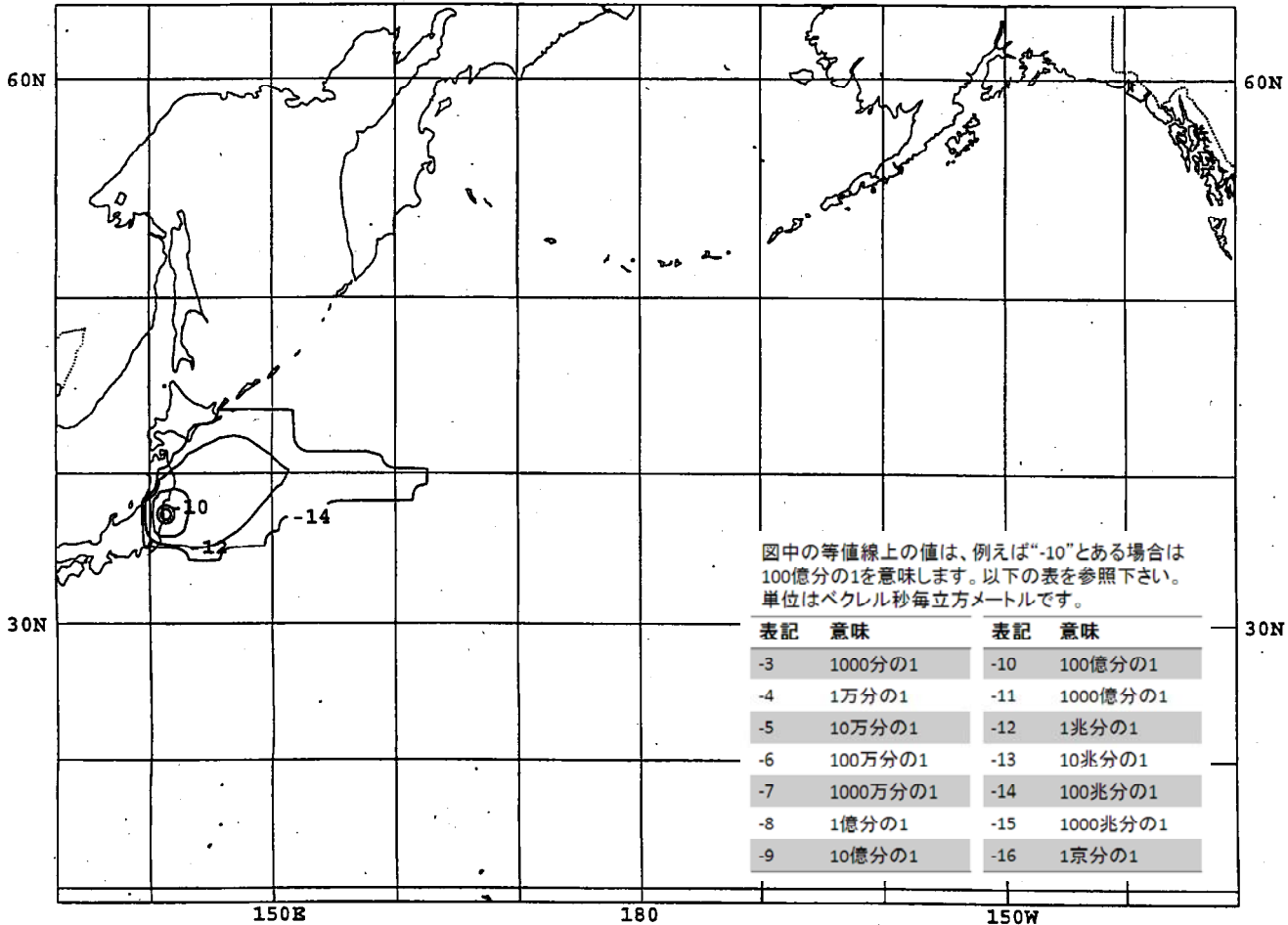
note from Japan Meteorological Agency:

The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 13 MAR 2011
TO 00UTC 14 MAR 2011



図中の等値線上の値は、例えば“-10”とある場合は100億分の1を意味します。以下の表を参照下さい。単位はベクレル秒毎立方メートルです。

(ISSUED 0450UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131
START OF THE EMISSION : 0629UTC 12 MAR 2011
END OF THE EMISSION : 0629UTC 15 MAR 2011
◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN
ASSUMED TOTAL EMISSION : 1 BECQUEREL
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND
UNIT : (BQ.S/M3)
MAXIMUM : 6.85E-9 (BQ.S/M3)
CONTOURS: 1E-10 , 1E-12 , 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

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IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

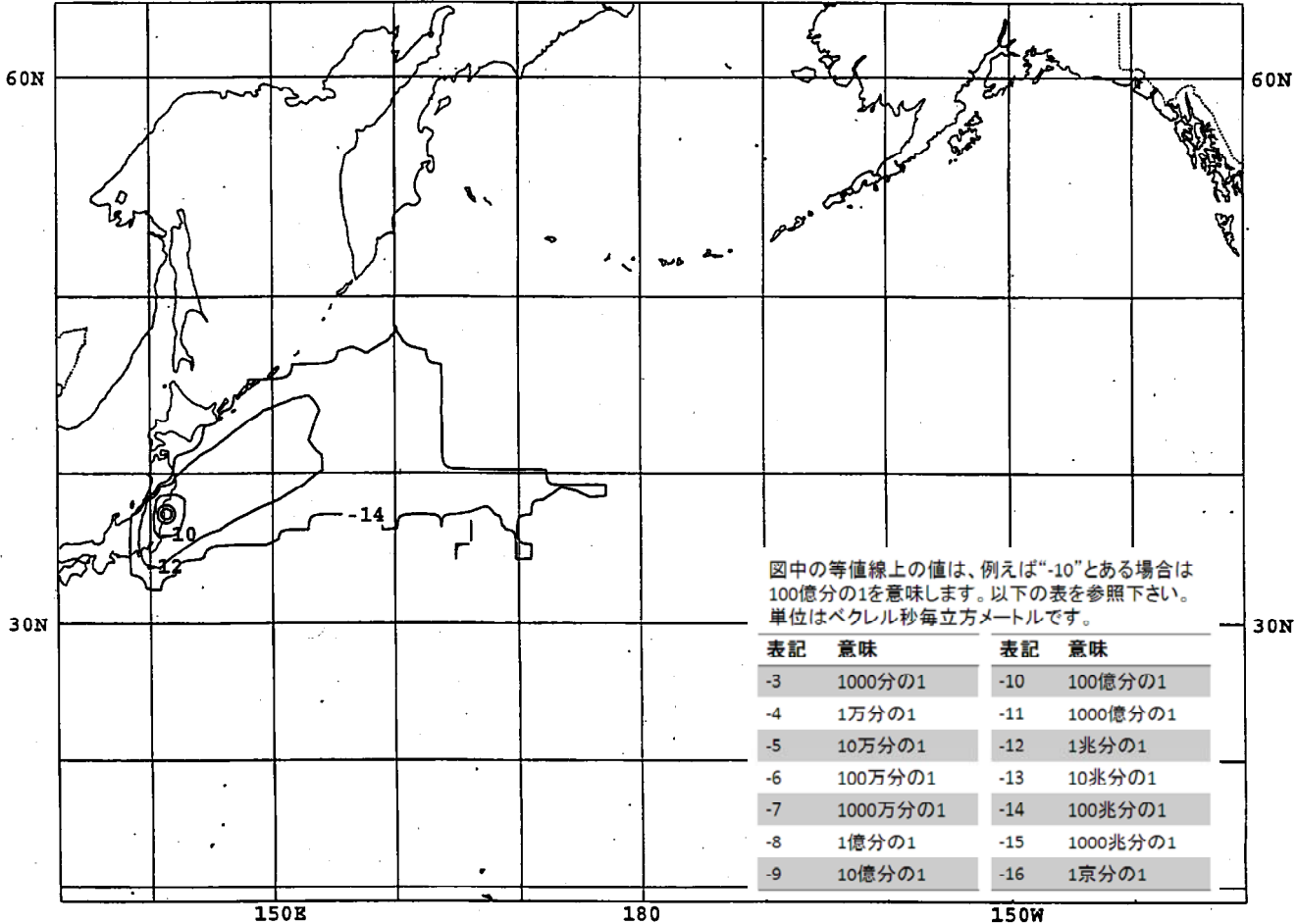
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 14 MAR 2011

TO 00UTC 15 MAR 2011



図中の等値線上の値は、例えば“-10”とある場合は100億分の1を意味します。以下の表を参照下さい。単位はベクレル秒毎立方メートルです。

(ISSUED 0450UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131
START OF THE EMISSION : 0629UTC 12 MAR 2011
END OF THE EMISSION : 0629UTC 15 MAR 2011

◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND
UNIT : (BQ.S/M3)
MAXIMUM : 1.40E-9 (BQ.S/M3)
CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

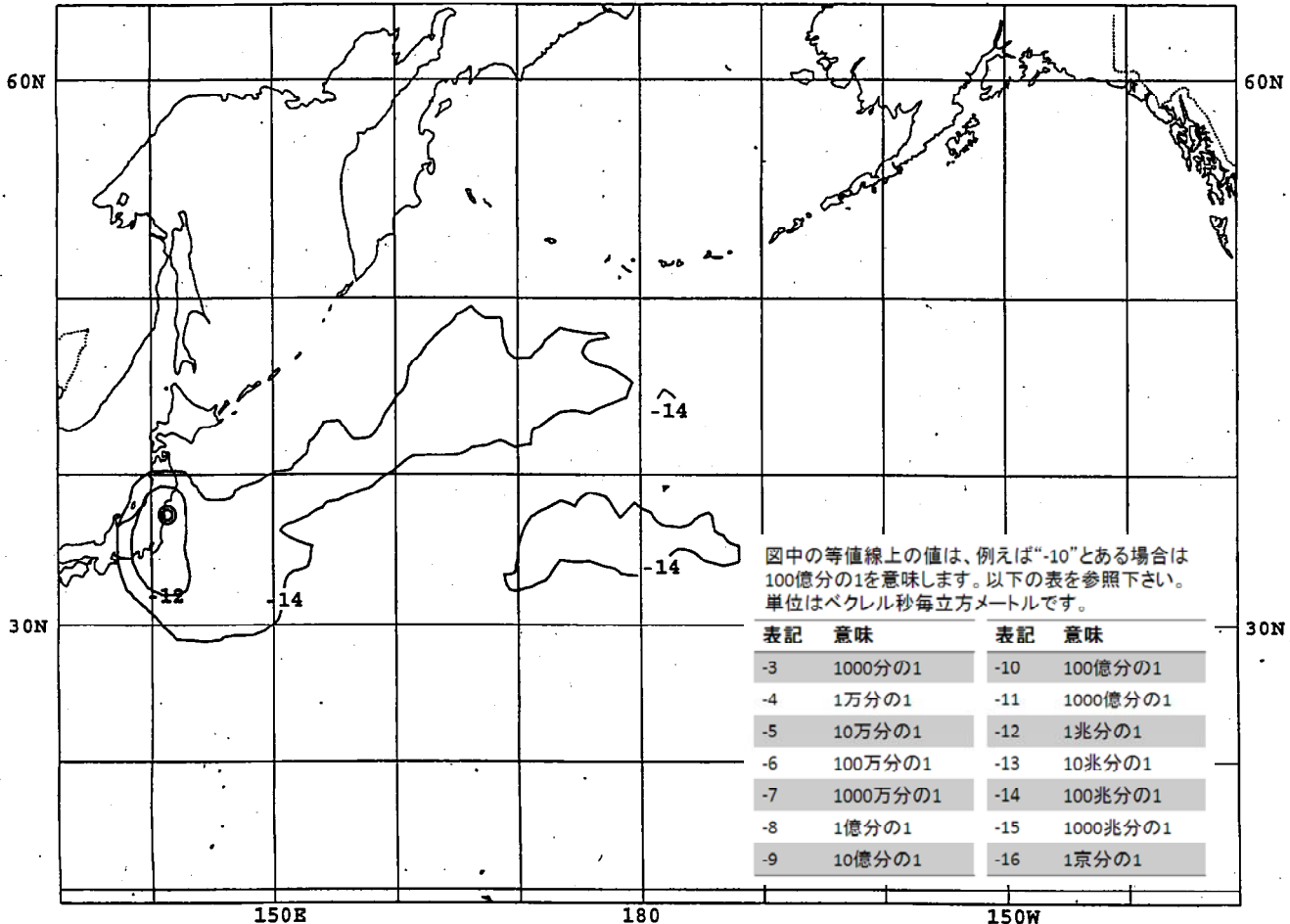
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 15 MAR 2011
TO 00UTC 16 MAR 2011



(ISSUED 0450UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131
START OF THE EMISSION : 0629UTC 12 MAR 2011
END OF THE EMISSION : 0629UTC 15 MAR 2011
◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN
ASSUMED TOTAL EMISSION : 1 BECQUEREL
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND
UNIT : (BQ.S/M3)
MAXIMUM : 1.20E-10 (BQ.S/M3)
CONTOURS: 1E-10 , 1E-12 , 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

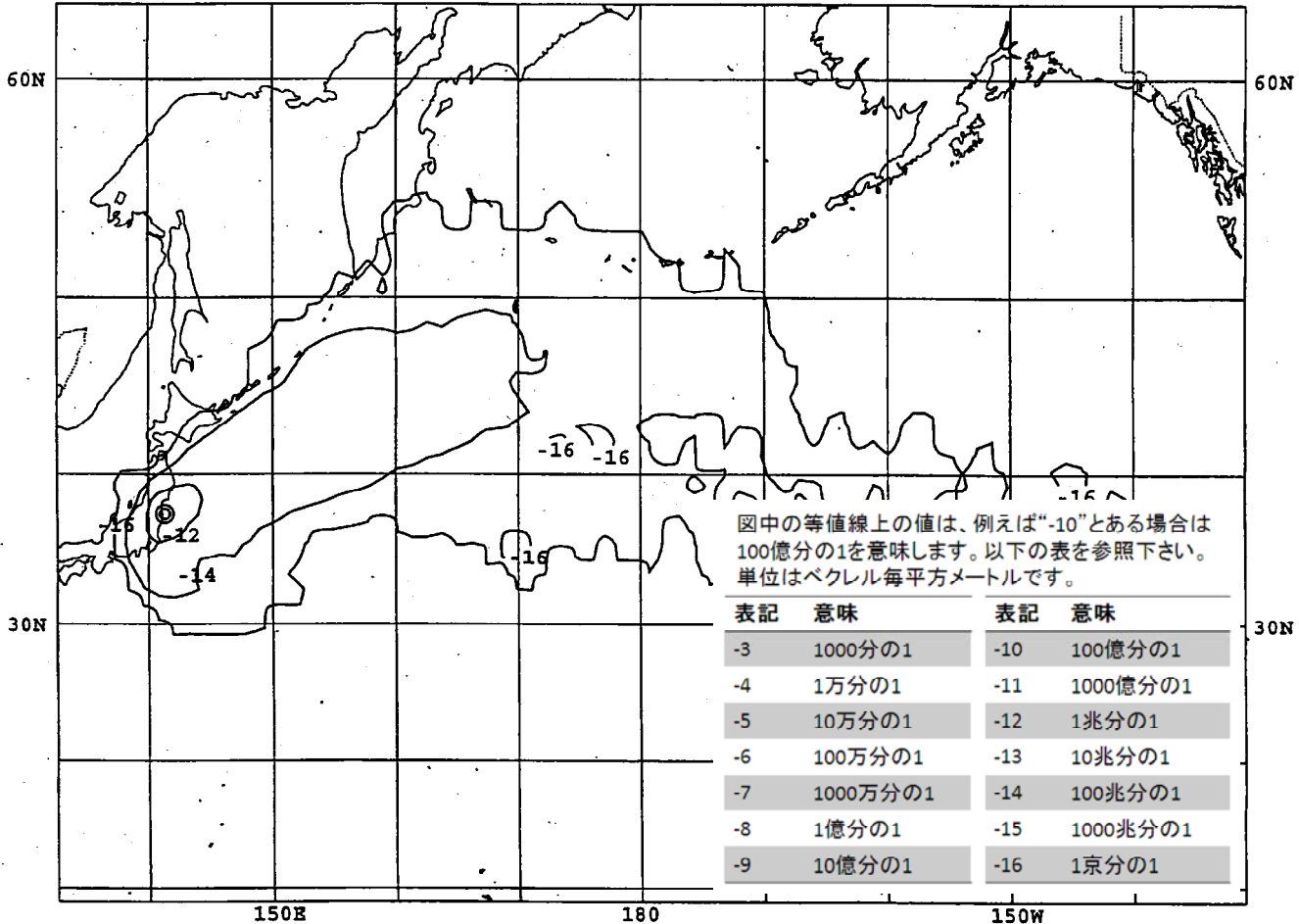
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TOTAL (WET AND DRY) DEPOSITION

INTEGRATED FROM 06UTC 12 MAR 2011
TO 00UTC 16 MAR 2011



(ISSUED 0450UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : I -131
START OF THE EMISSION : 0629UTC 12 MAR 2011
END OF THE EMISSION : 0629UTC 15 MAR 2011
© SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN
ASSUMED TOTAL EMISSION : 1 BECQUEREL
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND
UNIT : (BQ/M2)
MAXIMUM : 1.33E -11 (BQ/M2)
CONTOURS: 1E -12 , 1E -14 , 1E -16

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

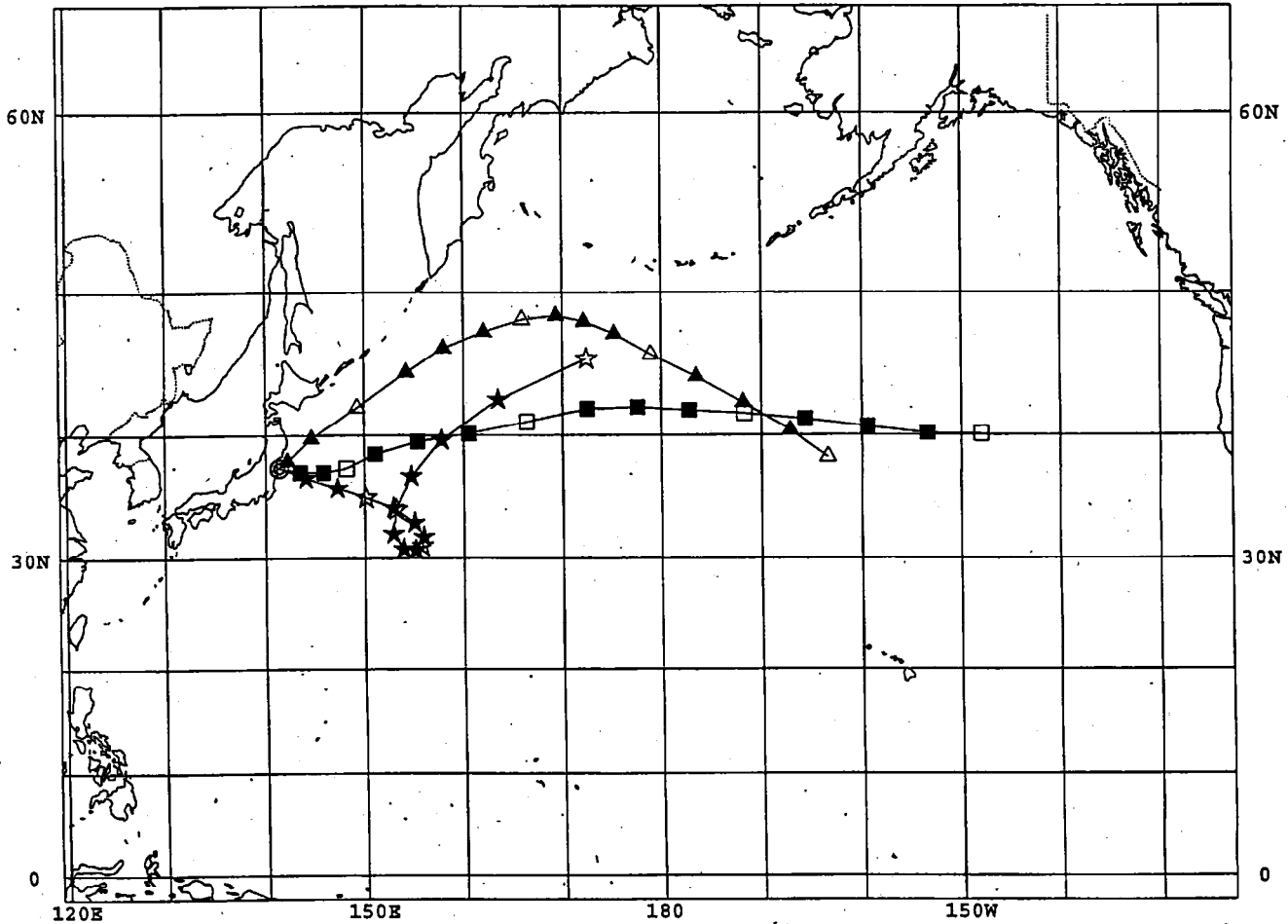
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

3-D TRAJECTORY I-131

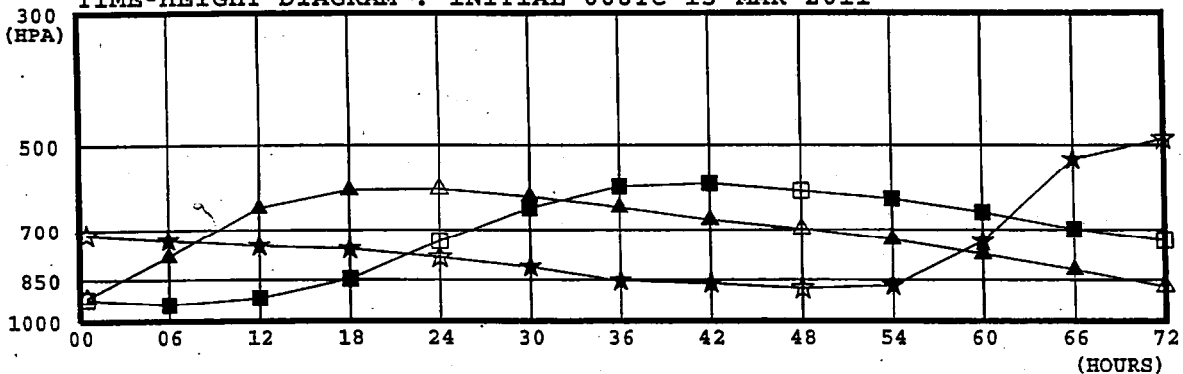
FROM 06UTC 12 MAR 2011 TO 00UTC 16 MAR 2011



(ISSUED 0450UTC 13 MAR 2011)

- ▲— INITIAL HEIGHT = 500M ABOVE THE SURFACE
- INITIAL HEIGHT = 1500M ABOVE THE SURFACE
- ★— INITIAL HEIGHT = 3000M ABOVE THE SURFACE
- MARKED WITH TIME INTERVAL OF 6 HOURS
- ◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN

TIME-HEIGHT DIAGRAM : INITIAL 00UTC 13 MAR 2011



気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

note from Japan Meteorological Agency:

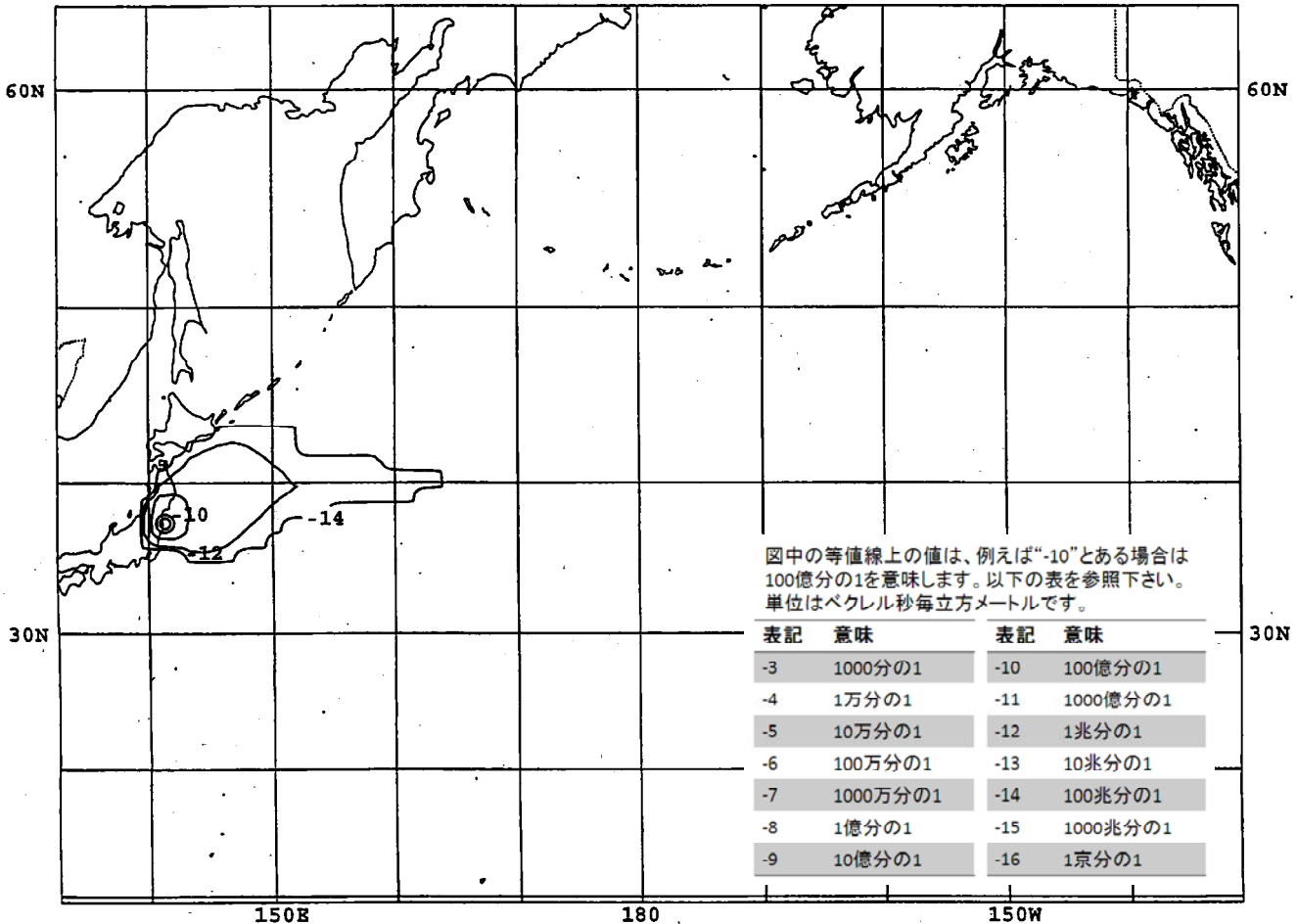
The chart does not reflect the actual observation of radioactive substances. The calculations are based on the hypothetical condition by the International Atomic Energy Agency, or IAEA.

~~DELEGATED AUTHORITY REQUESTED~~

IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 13 MAR 2011
TO 00UTC 14 MAR 2011



(ISSUED 0519UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137

START OF THE EMISSION : 0629UTC 12 MAR 2011

END OF THE EMISSION : 0629UTC 15 MAR 2011

© SOURCE LOCATION : LATITUDE 37.42N

LONGITUDE 141.33E

NAME FUKUSHIMA DAI-CHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL

UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND

UNIT : (BQ.S/M3)

MAXIMUM : 6.99E-9 (BQ.S/M3)

CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

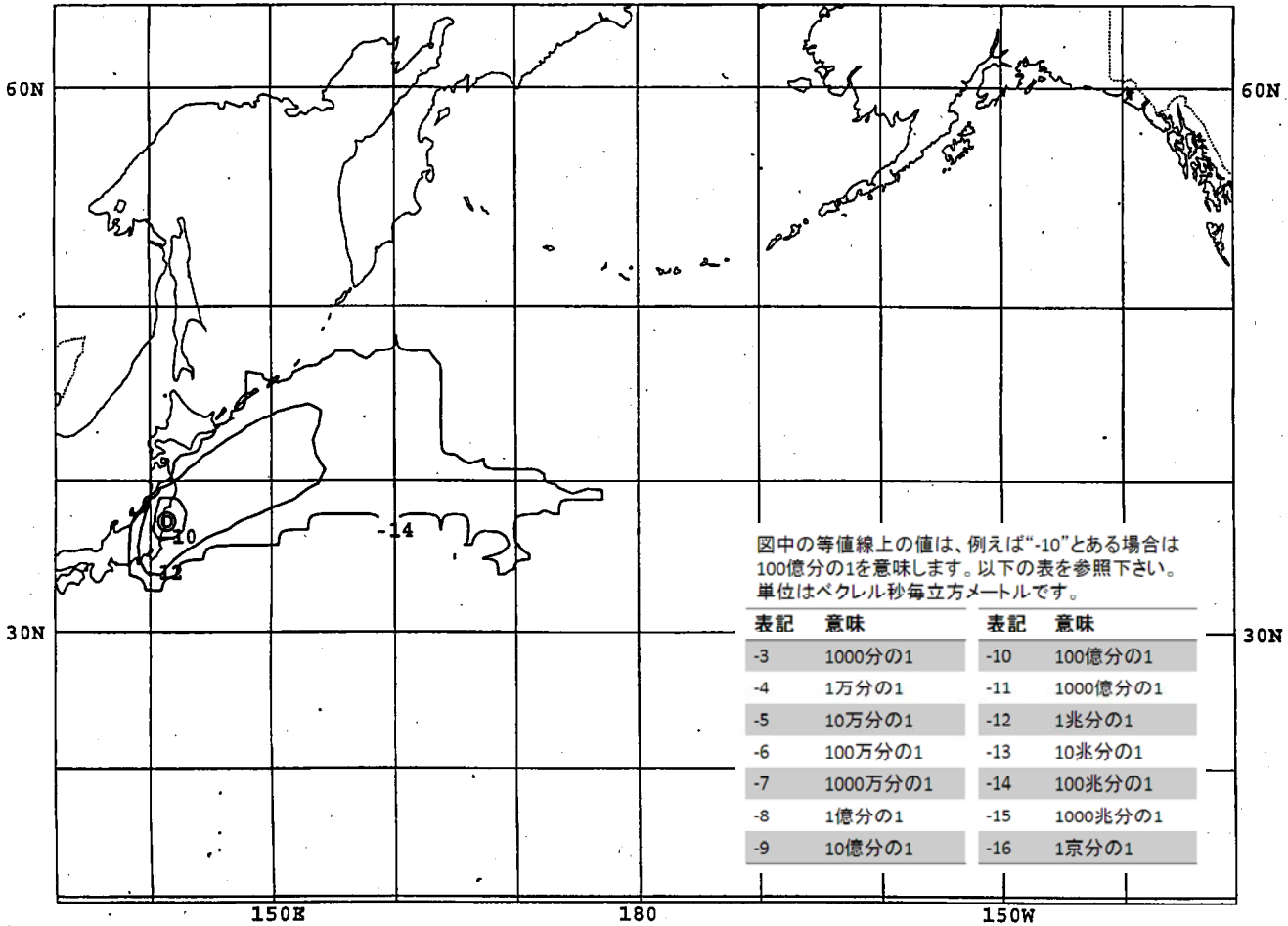
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 14 MAR 2011
TO 00UTC 15 MAR 2011



(ISSUED 0519UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137
START OF THE EMISSION : 0629UTC 12 MAR 2011
END OF THE EMISSION : 0629UTC 15 MAR 2011
◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN
ASSUMED TOTAL EMISSION : 1 BECQUEREL
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND
UNIT : (BQ.S/M3)
MAXIMUM : 1.44E-9 (BQ.S/M3)
CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

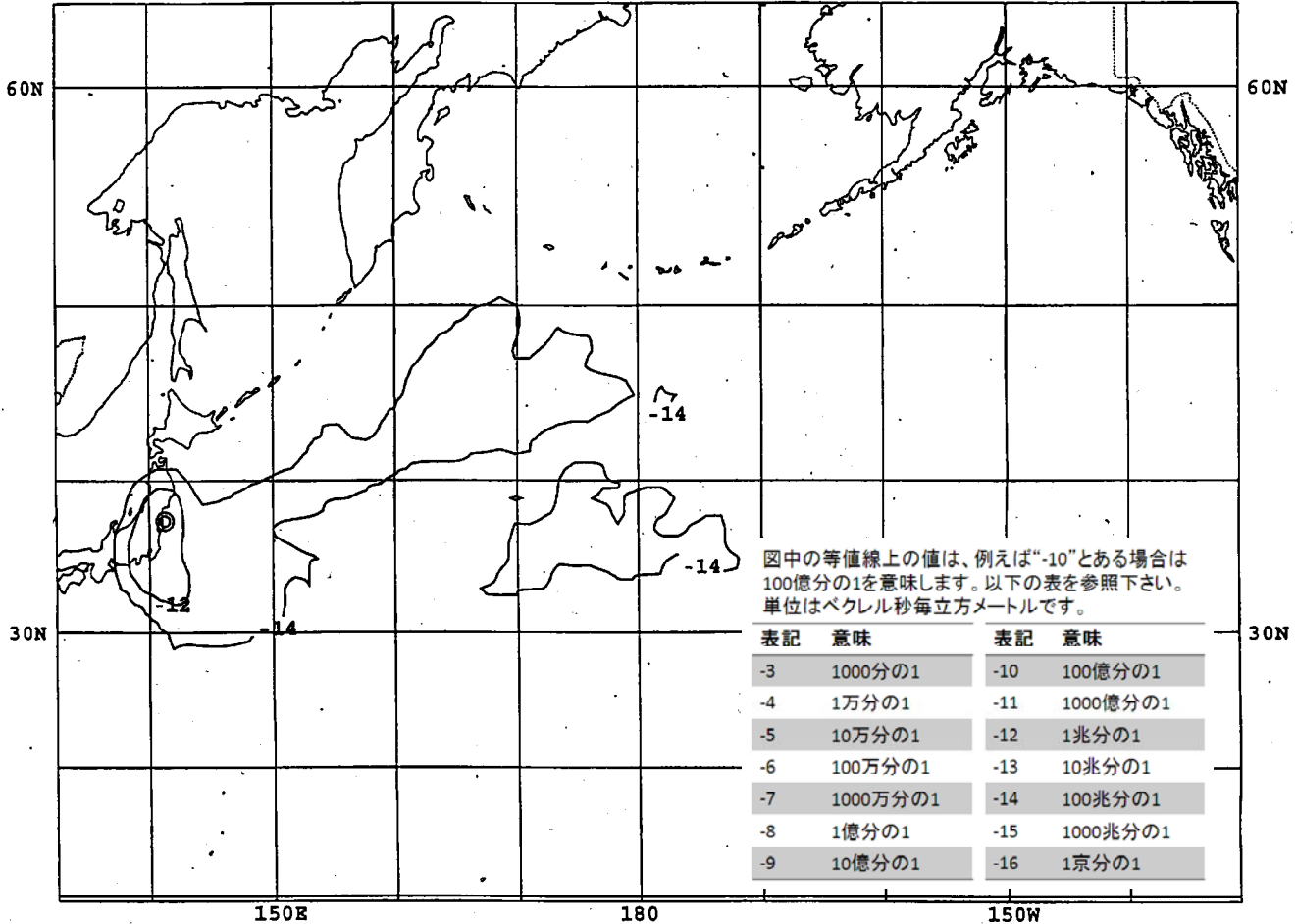
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~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TIME INTEGRATED SURFACE - 500M LAYER CONCENTRATION

INTEGRATED FROM 00UTC 15 MAR 2011
TO 00UTC 16 MAR 2011



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(ISSUED 0519UTC 13 MAR 2011)

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END OF THE EMISSION : 0629UTC 15 MAR 2011
◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN

ASSUMED TOTAL EMISSION : 1 BECQUEREL
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND
UNIT : (BQ.S/M3)
MAXIMUM : 1.33E-10 (BQ.S/M3)
CONTOURS: 1E-10, 1E-12, 1E-14

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

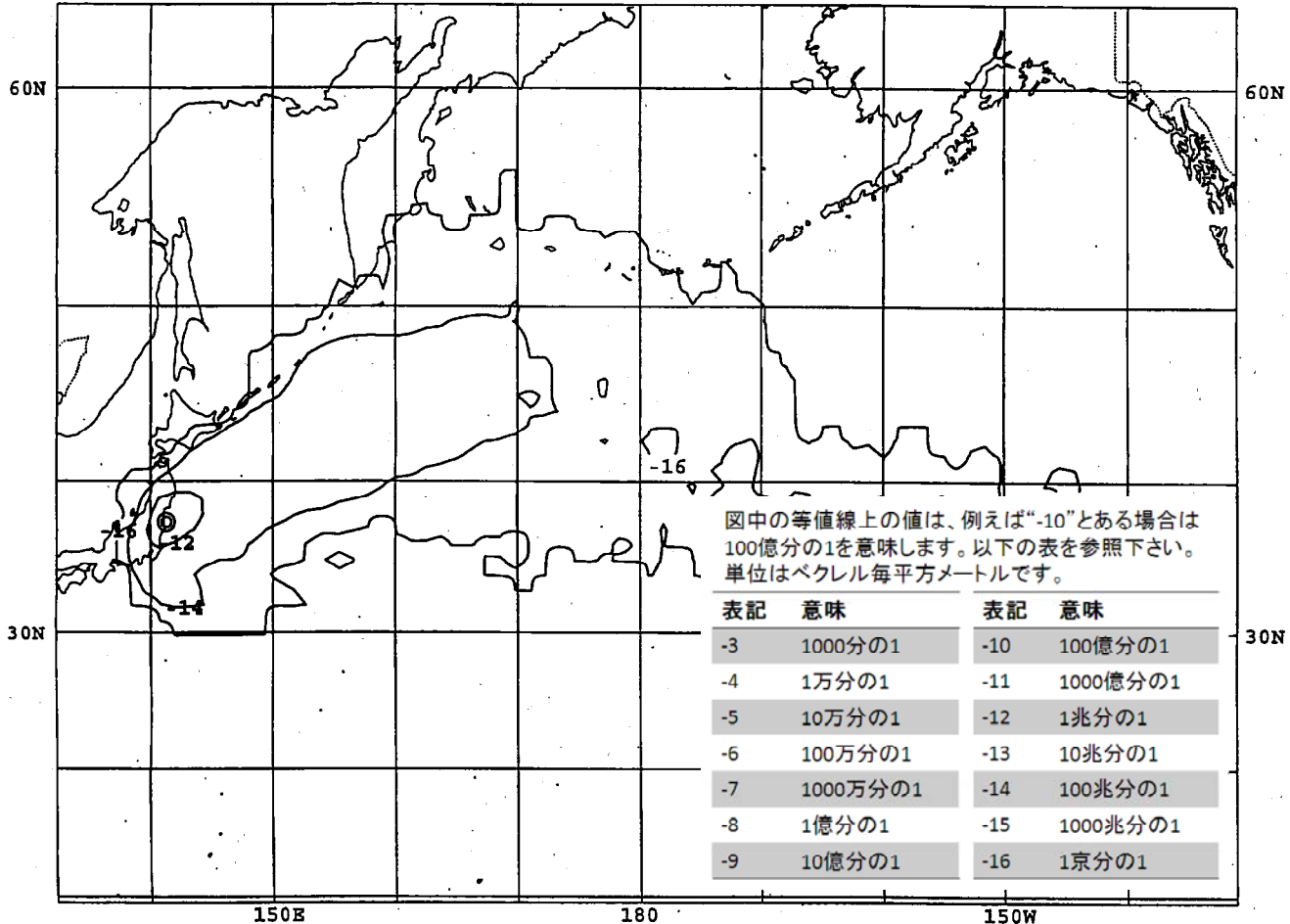
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

TOTAL (WET AND DRY) DEPOSITION

INTEGRATED FROM 06UTC 12 MAR 2011
TO 00UTC 16 MAR 2011



(ISSUED 0519UTC 13 MAR 2011)

ASSUMED POLLUTANT RELEASED : CS-137
START OF THE EMISSION : 0629UTC 12 MAR 2011
END OF THE EMISSION : 0629UTC 15 MAR 2011
◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN
ASSUMED TOTAL EMISSION : 1 BECQUEREL
UNIFORM RELEASE FROM 20- 100M ABOVE THE GROUND
UNIT : (BQ/M2)
MAXIMUM : 1.40E-11 (BQ/M2)
CONTOURS: 1E-12, 1E-14, 1E-16

CONTOUR VALUES MAY CHANGE FROM CHART TO CHART

気象庁注:これらの図表は、実際に観測された放射線量等を反映したものではありません。

IAEAが仮定した条件に基づいて計算したものです。

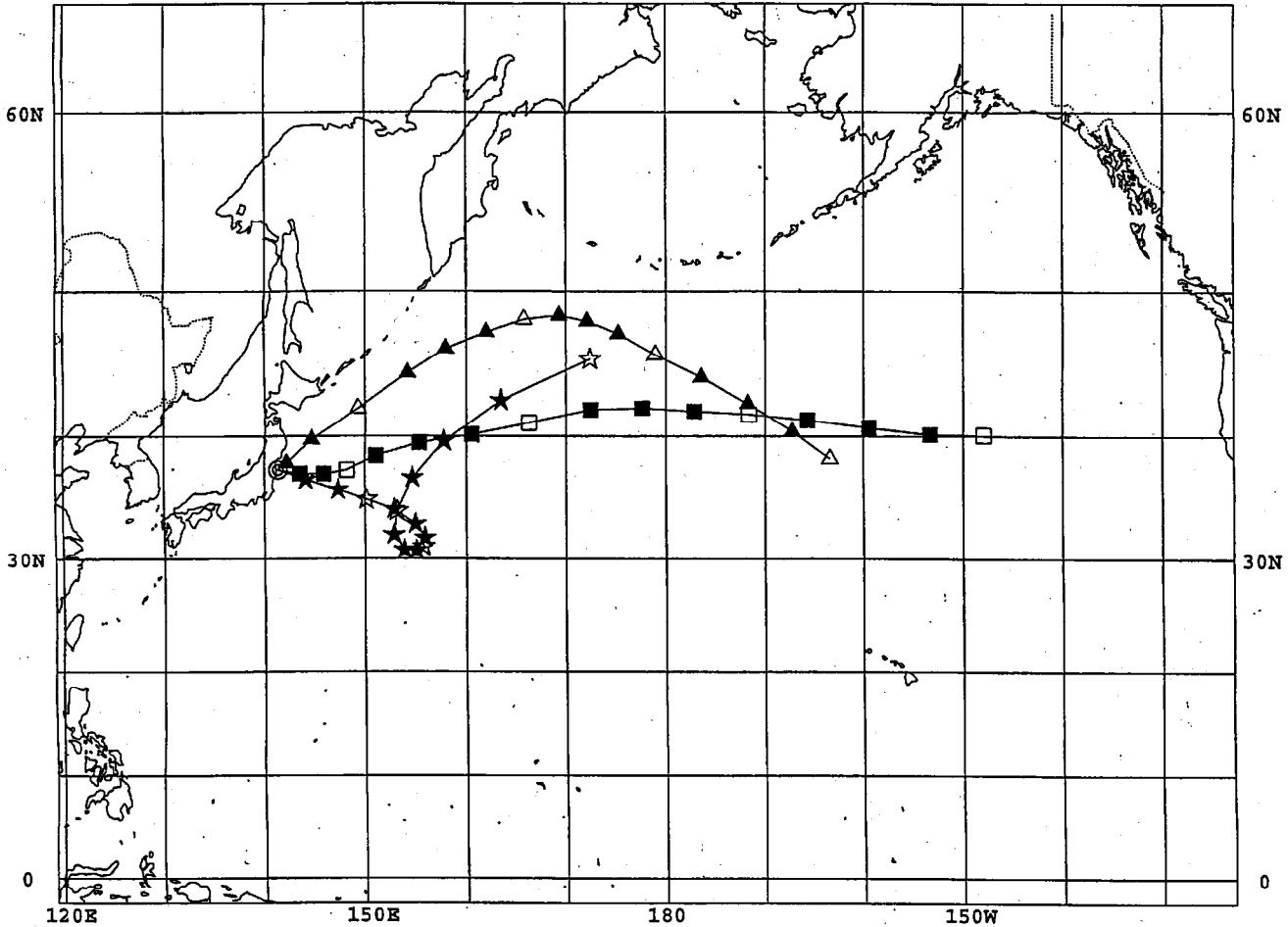
note from Japan Meteorological Agency:

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~~DELEGATED AUTHORITY REQUESTED~~
 IAEA NOTIFIED EMERGENCY

3-D TRAJECTORY :CS-137

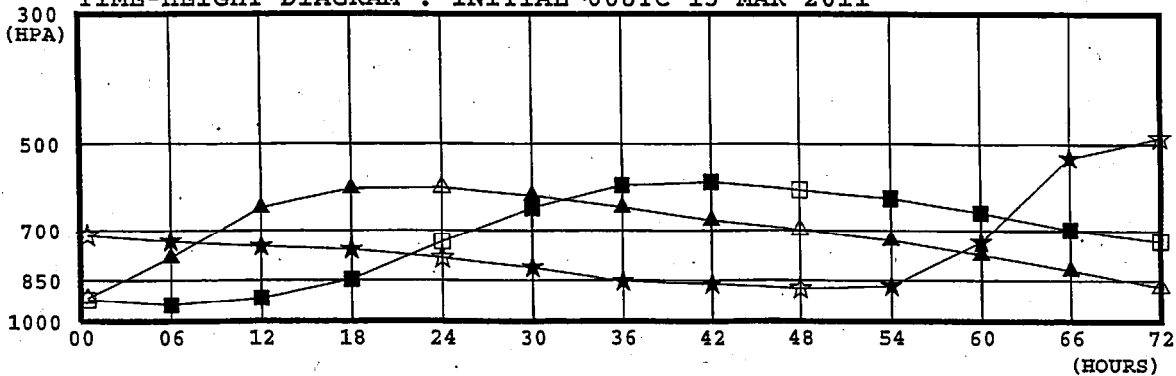
FROM 06UTC 12 MAR 2011 TO 00UTC 16 MAR 2011



(ISSUED 0519UTC 13 MAR 2011)

- ▲ INITIAL HEIGHT = 500M ABOVE THE SURFACE
- INITIAL HEIGHT = 1500M ABOVE THE SURFACE
- ★ INITIAL HEIGHT = 3000M ABOVE THE SURFACE
- ◎ SOURCE LOCATION : LATITUDE 37.42N
LONGITUDE 141.33E
NAME FUKUSHIMA DAI-CHI, JAPAN

TIME-HEIGHT DIAGRAM : INITIAL 00UTC 13 MAR 2011



Environmental Emergency Response Request for WMO RSMC Support by IAEA

The IAEA sends the completed form by fax to all RSMCs and RTH Offenbach.
At the same time the IAEA calls the 'Lead' RSMCs (selected on the form) to ensure receipt of this form.

Date/Time of Request: 2011-03-12/15:50(UTC)	
STATUS: <input checked="" type="checkbox"/> EMERGENCY <input type="checkbox"/> EXERCISE	
REQUESTED RSMCS : (Indicate the lead RSMCs by a checkmark below)	
<input type="checkbox"/> EXETER <input type="checkbox"/> TOULOUSE <input type="checkbox"/> MELBOURNE <input type="checkbox"/> MONTREAL <input type="checkbox"/> WASHINGTON	<input checked="" type="checkbox"/> RTH Offenbach
<input checked="" type="checkbox"/> BEIJING <input checked="" type="checkbox"/> TOKYO <input checked="" type="checkbox"/> OBNINSK	
SENDER'S NAME : INTERNATIONAL ATOMIC ENERGY AGENCY	
COMMUNICATION DETAILS: Tel.:	use to confirm receipt of request
Fax:	use to confirm receipt of request
Email:	use to confirm receipt of request
NAME OF RELEASE SITE AND COUNTRY	Fukushima Dai-Chi, Japan (facility and place)
GEOGRAPHICAL LOCATION OF RELEASE: (MUST BE COMPLETED)	37.4206 decimal degrees <input checked="" type="checkbox"/> N <input type="checkbox"/> S
	141.328 decimal degrees <input checked="" type="checkbox"/> E <input type="checkbox"/> W

DECLARED EMERGENCY CLASS:	
<input type="checkbox"/> NONE	<input checked="" type="checkbox"/> other, specify: General Emergency
ACTION REQUIRED :	
<input type="checkbox"/> NONE	
<input type="checkbox"/> GO ON STANDBY (request for products or for assistance on weather conditions is to be expected)	
<input checked="" type="checkbox"/> LEAD RSMCs ONLY: GENERATE PRODUCTS* AND SEND TO IAEA ONLY	
<input checked="" type="checkbox"/> ALL RSMCs: GENERATE PRODUCTS* AND DISTRIBUTE WITHIN THEIR REGION(S)	
<input type="checkbox"/> OTHER ACTION :	

* Appendix II-7, Manual on the Global Data Processing and Forecasting System, WMO No. 485

(essential accident information for model simulation - if not available, model will execute with standard default values)

RELEASE CHARACTERISTICS:

START OF RELEASE: Date/Time: 2011-3-12/6:29(UTC)

DURATION: 72 (hours) or END OF RELEASE: Date/Time: - - / : (UTC)

RADIONUCLIDE SPECIES: I-131, Cs-137

TOTAL RELEASE QUANTITY: 1 (Becquerel)

OR POLLUTANT RELEASE RATE: (Becquerel/hour)

EFFECTIVE HEIGHT OF RELEASE: surface or

release height: base: 20 (m), top:100 (m)

(helpful information for improved simulation)

SITE ELEVATION: 20 (m)

LOCAL METEOROLOGICAL CONDITIONS NEAR ACCIDENT:

(wind speed and direction/weather/cloudiness/precipitation, etc.)

OTHER INFORMATION:

The IAEA was informed of some release from this facility. We are kindly requesting 2 runs, one for I-131 and the other one for Cs-137

(nature of accident, cause, fire explosion; controlled release, foreseeable development, normal activity, projected conditions, etc)

(to be completed by RSMC)

DATE/TIME OF RECEIPT OF REQUEST:.....(UTC)

FOR LEAD RSMC(S) ONLY

DATE/TIME OF RETURN CONFIRMATION OF RECEIPT:.....(UTC)

Note: All times in UTC